

2006 Tri-Valley Science and Engineering Fair Award Winners

Project Number	First Name	Last Name	Project Title	School	Teacher	Grade	Place Award Received	Special Awards Received
BC230	Dafina	Ibrani	Characterization of a Novel Gene in the Notch Pathway	Amador Valley High School	Eric Thiel	12	1st	
BC210	Richard	Li	Biodegradable Nanoparticles - A Novel Approach to Therapeutic Drug Delivery	Monte Vista High School	Patti Carothers	10	1st	US Navy
BC205	Tiffany	Mao	The Effect of Ultraviolet Radiation on Ampicillin-Resistant Gene in Transformed E-Coli	Monte Vista High School	Patti Carothers	9	2nd	
BC424T	Vikaas	Sharma	Pristine Proteins	California High School	Bill Pence	12	2nd	
BC424T	Bryan	Yoo	Pristine Proteins	California High School	Bill Pence	12	2nd	
BC417T	Corinne	Jansen	The Power of Protein Prediction	Granada High School	Frankie Tate	12	3rd	
BC417T	Clive	Parkinson	The Power of Protein Prediction	Granada High School	Frankie Tate	12	3rd	
BC417T	Natalie	Trebes	The Power of Protein Prediction	Granada High School	Frankie Tate	12	3rd	
BC201	Noah	Yaffe	Photosynthetic Energy	Granada High School	David Foster	12	3rd	
BC433T	Amandeep	Kaur	Tyrosinemia	Granada High School	Frankie Tate	12	HM	
BC433T	Sima	Patel	Tyrosinemia	Granada High School	Frankie Tate	12	HM	
BE102	Amy	Frantz	Get in Touch with Your Memory	St. Raymond School	Jeanine Gillengerten	8	1st	American Psychological Association
BE127	Anca	Ulea	A Different Kind of Blindness	Iron Horse Middle School	Shawn Armstrong	8	1st	DCYSC
BE154	Lindsey	Benger	Memory Matters	St. Raymond School	Jeanine Gillengerten	7	2nd	DCYSC
BE122	Kyle	Zuniga	Chew, Chew, Chew Is it Good for You?	St. Raymond School	Jeanine Gillengerten	7	2nd	
BE148	Sarah	Ledford	"Coffee Wars"	St. Raymond School	Jeanine Gillengerten	7	3rd	
BE109	Claire	Managan	Happy Puppy	Our Savior Lutheran School	Lauren Bortnem	7	3rd	NCB-AALAS 1st Place
BE116	Forrest	Bradley	Pay More, Get More?	Our Savior Lutheran School	Lauren Bortnem	7	HM	
BE406T	Elizabeth	Dyer	To Listen or to Read?...That is the Question...	Granada High School	Frankie Tate	11	1st	
BE406T	Jordan	Fayen	To Listen or to Read?...That is the Question...	Granada High School	Frankie Tate	11	1st	
BE405T	Trevor	Flynn	Play Now for a Better Future?	San Ramon Valley High School	Robin Groch	9	2nd	US Air Force Science & Technology Award
BE405T	Ashrin	Gandhi	Play Now for a Better Future?	San Ramon Valley High School	Robin Groch	9	2nd	US Air Force Science & Technology Award
BE405T	Alec	Graham	Play Now for a Better Future?	San Ramon Valley High School	Robin Groch	9	2nd	US Air Force Science & Technology Award
BE201	Nicholas	Herskovich	The Quest for Perfect Pitch	San Ramon Valley High School	Robin Groch	9	2nd	

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BE230	David	Benterou	Changing Laterality	Granada High School	David Foster	11	3rd	
BE206	Chu Jane	Hsiao	Naiad or Kelpie?	Monte Vista High School	Patti Carothers	9	3rd	
BE211	Sean	Rudewicz	The Effect of Sugar on Reflexes	San Ramon Valley High School	Robin Groch	9	HM	
BL149	Nicole	Holownia	All About Fat	Pine Valley Middle School	Mary Beth Hodge	8	1st	DCYSC
BL116	Kurt	Koziol	Sound Science	St. Raymond School	Jeanine Gillengerten	7	1st	DCYSC
BL102	Sidney	Lee	Fruit Juices and the Vitamin C in it!	St. Raymond School	Jeanine Gillengerten	8	1st	DCYSC
BL107	Yue (Diana)	Dai	What is the Best Way for a Flower to Grow More Beautiful in the Quickest Time?	Windemere Ranch Middle School	Britt Petersen	7	2nd	
BL135	Emily	DeSimone	Foamy Solutions	St. Raymond School	Jeanine Gillengerten	8	2nd	
BL166	Katherine	Hayes	Are You Too Chicken?	Pine Valley Middle School	Mary Beth Hodge	8	2nd	
BL180	Lauren	Leahy	Cricket Caper	St. Raymond School	Jeanine Gillengerten	7	2nd	NCB-AALAS 2nd Place; DCYSC
BL120	Carly	Newman	That's a Fish of a Different Color	St. Philips Lutheran School	Patty Wipfli	8	2nd	NCB-AALAS 3rd Place
BL115	Jason	Zhao	Pasteurization Temperature vs. Bacteria Growth	Windemere Ranch Middle School	Mrs. Patel	7	2nd	
BL128	Tracy	Donovan	Forensics, Families, and Fingerprints	St. Raymond School	Jeanine Gillengerten	8	3rd	
BL134	Brian	Hickel	Light Waves and their Effect on Plants	St. Raymond School	Jeanine Gillengerten	7	3rd	
BL165	Neal	Salud	Temperature and Enzyme Activity	St. Raymond School	Jeanine Gillengerten	8	3rd	
BL305T	Ashley	Theobald	Diabetes- Don't Forget to Exercise	St. Philips Lutheran School	Patty Wipfli	8	3rd	
BL305T	Katelyn	Theobald	Diabetes- Don't Forget to Exercise	St. Philips Lutheran School	Patty Wipfli	7	3rd	
BL140	Jason	Wang	Attractive Plants	Iron Horse Middle School	Shawn Armstrong	8	3rd	
BL131	Joshua	Cheng	One Pill a Day Keeps the Doctor Away	Pine Valley Middle School	Mary Beth Hodge	8	HM	
BL150	Laura	Lewis	Mom Says...Wipe Your Feet!	St. Raymond School	Jeanine Gillengerten	7	HM	
BL110	Casey	Peters	Eggstink	St. Philips Lutheran School	Patty Wipfli	7	HM	
BT202	Natasha	Gupta	The Effect of Direction of Inertial Pull on Root Growth During Seed Germination	Monte Vista High School	Patti Carothers	9	1st	
BT210	Alex	Starr	The Effect of Ethylene Gas on Production of Chloroplasts and Chlorophyll?	Monte Vista High School	Patti Carothers	9	2nd	
BT214	Julia	Mason	A Study of the Uptake of Lead in Plants	Monte Vista High School	Patti Carothers	9	3rd	
BT434T	Hinh	Tran	Will Grafting Two Plants Together Increase Resistance Toward Insects?	Monte Vista High School	Patti Carothers	9	3rd	
BT434T	Jeffrey	Tsai	Will Grafting Two Plants Together Increase Resistance Toward Insects?	Monte Vista High School	Patti Carothers	9	3rd	

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BT434T	Alexander	Yuan	Will Grafting Two Plants Together Increase Resistance Toward Insects?	Monte Vista High School	Patti Carothers	9	3rd	
BT201	Christopher	Tam	Effect of Juglone on Plant Photosynthesis	Monte Vista High School	Patti Carothers	9	HM	
CH488T	Ferguson	Benjamin	Chemical Analysis of Extraterrestrial Water Aiming to Determine the Existence of Elements Necessary for Life.	Foothill High School	Rochelle Morris	12	HM	US Air Force Science & Technology Award
CH488T	Frank	Chen	Chemical Analysis of Extraterrestrial Water Aiming to Determine the Existence of Elements Necessary for Life.	Foothill High School	Rochelle Morris	11	HM	US Air Force Science & Technology Award
CS124	Andrew	Liu	GEO Quest!	Windemere Ranch Middle School	Britt Petersen	7	1st	
CS109	Stephanie	Cheng	Traffic Jam Online	Iron Horse Middle School	Shawn Armstrong	8	2nd	
CS206	Courtney	Han	Virtual Evolution	Granada High School	Frankie Tate	12	2nd	
CS205	Vicki	Hsieh	Implementing a New Sorting Algorithm: The Fastest Way to Sort Large Amounts of Small Random Integers	California High School	Josette Warnow	9	3rd	US Air Force Science & Technology Award; US Navy; IEEE
CS210	Dmitry	Kislyuk	Lights Out! How to Prevent Electrical Grid Failures (Computer Simulation)	California High School	Kelly Mezzio	10	3rd	IEEE
EN201	Amanda	Johnston	Delta Disaster? Analysis of the Probability of a Levee Failure of the San Joaquin Delta	Livermore High School	Mrs. Haugen	9	2nd	1st Place Zone 7 Water Agency
EN402T	Dietrich	Nordmeyer	Personal Solar Trough	Monte Vista High School	Patti Carothers	9		2nd Place - Society of Petroleum Engineers
EN402T	Michael	Yemane	Personal Solar Trough	Monte Vista High School	Patti Carothers	9		2nd Place - Society of Petroleum Engineers
ES209	Mina	Bionta	The Ever-Changing San Francisco Bay Delta	Livermore High School	Sarah Palmer	12	1st & Sr. Div. Sweepstakes Winner	Association for Women Geoscientists; US Navy; IEEE; NOAA
EV201	Megan	Connolly	Polluting Poisons	Granada High School	Frankie Tate	12	1st	
EV207	Zack	Hunter	Can you Inexpensively meet the Carbon Footprint Requirements of the Kyoto Protocol?	San Ramon Valley High School	Robin Groch	11	1st	1st Place - Society of Petroleum Engineers; Ricoh
EV416T	Kristiana	Hausman	The Effect of Estradiol on Male Daphne's Reproductive Behavior	Monte Vista High School	Patti Carothers	9	1st	
EV416T	Amanda	Wolf	The Effect of Estradiol on Male Daphne's Reproductive Behavior	Monte Vista High School	Patti Carothers	9	1st	
EV451T	Nipun	Bhandari	Can Pseudomonas Syringar 'Ice Plus' be a Biological Agent in ice Preservation?	Monte Vista High School	Patti Carothers	9	1st	

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EV451T	Tavish	Nanda	Can Pseudomonas Syringar 'Ice Plus' be a Biological Agent in ice Preservation?	Monte Vista High School	Patti Carothers	9	1st	
EV479T	Saru	Mehta	On the Edge of Arroyo Mocho: How Probiotics May Overcome Water Bacteria and Chemicals	Amador Valley High School	Sarah Palmer	12	1st	U.S. Stockholm Junior Water Award; 1st Place Zone 7 Water Agency
EV479T	Prachi	Priyam	On the Edge of Arroyo Mocho: How Probiotics May Overcome Water Bacteria and Chemicals	Amador Valley High School	Sarah Palmer	11	1st	U.S. Stockholm Junior Water Award; 1st Place Zone 7 Water Agency
EV204	Jeff	Topor	Investigting the Effects of Medical Pollutants on Plant and Animal Physiology	Monte Vista High School	Patti Carothers	9	2nd	
EV227	Margaret	Donovan	Effects of Increased Bacterial Antibiotic Resistance in an Aquaculture Environmental Model	Livermore High School	Mary Burgin	9	2nd	
EV410T	Megan	Michaelis	Six Inches Under	San Ramon Valley High School	Robin Groch	9	2nd	
EV410T	Kelsey	Moss	Six Inches Under	San Ramon Valley High School	Robin Groch	9	2nd	
EV419T	Michelle	Keyser	Should Fruit Flies Use Sunblock?	San Ramon Valley High School	Robin Groch	9	2nd	
EV419T	Utkarsh	Vasa	Should Fruit Flies Use Sunblock?	San Ramon Valley High School	Robin Groch	9	2nd	
EV426T	Olivia	Bagot	The Effect of Pollution on Brine Shrimp Life	San Ramon Valley High School	Robin Groch	9	2nd	
EV426T	Ginny	Kenyon	The Effect of Pollution on Brine Shrimp Life	San Ramon Valley High School	Robin Groch	9	2nd	
EV437T	Jacquelyn	May	Do the Properties and Chemical Components of Lake Del Valle Sediments Reflect Areas of Greatest Runoff?	Foothill High School	Sarah Palmer	12	2nd	
EV437T	Fiona	Robison-Rivera	Do the Properties and Chemical Components of Lake Del Valle Sediments Reflect Areas of Greatest Runoff?	Foothill High School	Sarah Palmer	11	2nd	
EV437T	Melineh	Sarkis-Kelly	Do the Properties and Chemical Components of Lake Del Valle Sediments Reflect Areas of Greatest Runoff?	Foothill High School	Sarah Palmer	11	2nd	
EV439T	Sarah	Cooley	The Effectiveness of Coagulants for Waste-Water Treatment	Foothill High School	Sarah Palmer	12	2nd	
EV439T	Elvin	Ngo	The Effectiveness of Coagulants for Waste-Water Treatment	Foothill High School	Sarah Palmer	12	2nd	
EV219	Jayveer	Singh	Identifying Eco-Friendly Marshland Crops	San Ramon Valley High School	Robin Groch	9	3rd	
EV223	Elisabeth	Sum	When will the Hurricane Katrina Victimized Soil Recover from Crude Oil Pollution?	Monte Vista High School	Patti Carothers	9	3rd	2nd Place - Society of Petroleum Engineers
EV230	Yvonne	Henderson	Do the Cigarettes Discarded by Smokers Infect the Environment With TMV?	Monte Vista High School	Patti Carothers	9	3rd	
EV409T	Monica	Manrique	The Effect of Ultraviolet Radiation on Algae Growth	San Ramon Valley High School	Robin Groch	9	3rd	

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EV409T	Chris	Overstreet	The Effect of Ultraviolet Radiation on Algae Growth	San Ramon Valley High School	Robin Groch	9	3rd	
EV430T	Julia	DeMoor	The Effects of Increased Carbon Dioxide on Grasses	San Ramon Valley High School	Robin Groch	9	3rd	
EV430T	Kira	Glynn	The Effects of Increased Carbon Dioxide on Grasses	San Ramon Valley High School	Robin Groch	9	3rd	
EV430T	Amanda	Swenson	The Effects of Increased Carbon Dioxide on Grasses	San Ramon Valley High School	Robin Groch	9	3rd	
EV450T	Moran	Goren	A Study of Environmental Antibiotic Absorbtion in California Clam Species	Monte Vista High School	Patti Carothers	9	3rd	
EV450T	Allison	Orgill	A Study of Environmental Antibiotic Absorbtion in California Clam Species	Monte Vista High School	Patti Carothers	9	3rd	
EV454T	Philip	Cheney	Rain Water Quality Monitoring	Foothill High School	Sarah Palmer	12	3rd	
EV454T	Daniel	Will	Rain Water Quality Monitoring	Foothill High School	Sarah Palmer	12	3rd	
EV421T	Greg	Kabel	The Effect of Pollutants on Green Algae	San Ramon Valley High School	Robin Groch	9	HM	
EV421T	Aaron	Kelley	The Effect of Pollutants on Green Algae	San Ramon Valley High School	Robin Groch	9	HM	
EV436T	Maryam	Khan	Plants of Mass Destruction: A Study of Allelopathy	Foothill High School	Sarah Palmer	12	HM	
EV436T	Lindsay	Smith	Plants of Mass Destruction: A Study of Allelopathy	Foothill High School	Sarah Palmer	12	HM	
EV436T	Lillian	Torng	Plants of Mass Destruction: A Study of Allelopathy	Foothill High School	Sarah Palmer	11	HM	
EV449T	Aryana	Hosseinkhani	Effects of Carbon Dioxide Levels on Plants	Foothill High School	Sarah Palmer	12	HM	
EV449T	Hayley	Saxton	Effects of Carbon Dioxide Levels on Plants	Foothill High School	Sarah Palmer	12	HM	
EV452T	Caitlin	Keane	Is All Valley Water Created Equal?	Foothill High School	Sarah Palmer	12	HM	
EV452T	Jamie	Kwan	Is All Valley Water Created Equal?	Foothill High School	Sarah Palmer	12	HM	
MA205	Philip	Mansour	Mutation-The Good, The Bad, And The Ugly! (The Intersection of Math & Evolution)	California High School	Julie Bitnoff	9	1st	Mu Alpha Theta
MB211	Stuart	Camenson	Could Life Have Come From Space in the Form of Prokaryotes?	San Ramon Valley High School	Robin Groch	9	1st	
MB423T	Arian	Rezazadeh	Do You Really Want to Drink That?	San Ramon Valley High School	Robin Groch	9	1st	
MB423T	Peter	Cheng	Do You Really Want to Drink That?	San Ramon Valley High School	Robin Groch	9	1st	
MB423T	Tyler	Rhodes	Do You Really Want to Drink That?	San Ramon Valley High School	Robin Groch	9	1st	
MB440T	Drew	Bell	How Fast Can Microorganisms Develop Immunity Towards Antibiotics?	Monte Vista High School	Patti Carothers	9	1st	
MB440T	Aakash	Keswani	How Fast Can Microorganisms Develop Immunity Towards Antibiotics?	Monte Vista High School	Patti Carothers	9	1st	

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MB440T	Garrett	Weiss	How Fast Can Microorganisms Develop Immunity Towards Antibiotics?	Monte Vista High School	Patti Carothers	9	1st	
MB411T	Kerry	Boyle	It Came from the Faucet	Granada High School	Frankie Tate	12	2nd	
MB411T	Danielle	Pandika	It Came from the Faucet	Granada High School	Frankie Tate	12	2nd	
MB411T	Irina	Velsko	It Came from the Faucet	Granada High School	Frankie Tate	12	2nd	
MB435T	Zehui	Bi	Does Staphylococcus Epidermidis Exhibit Chemotaxis?	Monte Vista High School	Patti Carothers	9	2nd	
MB435T	Gordon	Nash	Does Staphylococcus Epidermidis Exhibit Chemotaxis?	Monte Vista High School	Patti Carothers	9	2nd	
MB435T	Louis	Phan	Does Staphylococcus Epidermidis Exhibit Chemotaxis?	Monte Vista High School	Patti Carothers	9	2nd	
MB441T	Becky	Miller	Does Weed-Killer Provide a Beneficial Enviroment to the Growth of Bacteria?	Monte Vista High School	Patti Carothers	9	2nd	
MB441T	Tara	Templin	Does Weed-Killer Provide a Beneficial Enviroment to the Growth of Bacteria?	Monte Vista High School	Patti Carothers	9	2nd	
MB469T	Kaitlin	Kelly	What Type of Bacteria Would Make the Ames Test More Effective?	Monte Vista High School	Patti Carothers	9	2nd	
MB469T	Carrie	Napolitano	What Type of Bacteria Would Make the Ames Test More Effective?	Monte Vista High School	Patti Carothers	9	2nd	
MB469T	Pammie	Peters	What Type of Bacteria Would Make the Ames Test More Effective?	Monte Vista High School	Patti Carothers	9	2nd	
MB207	Sarah	Roth	The "Pee"-O-O-L Experiment	Granada High School	Frankie Tate	12	3rd	
MB453T	David	He	The Effect of pH on Tobacco Mosiac Virus in Tomatoes	Monte Vista High School	Patti Carothers	9	3rd	
MB453T	Nicholas	McCracken	The Effect of pH on Tobacco Mosiac Virus in Tomatoes	Monte Vista High School	Patti Carothers	9	3rd	
MB203	Natasha	Batalha	Can Life Exist in Extreme Environments?	Monte Vista High School	Patti Carothers	9	HM	
MB403T	Olga	Dobrynina	My Big Fat Zit!	San Ramon Valley High School	Robin Groch	9	HM	
MB403T	Fatimah	Fahimuddin	My Big Fat Zit!	San Ramon Valley High School	Robin Groch	9	HM	
MB403T	Julia	Gettle	My Big Fat Zit!	San Ramon Valley High School	Robin Groch	9	HM	
MB470T	Shahryar	Abbasi	Are There Oil Eating Microbes on the Road?	Monte Vista High School	Patti Carothers	9	HM	
MB470T	Kranthi	Gouravaram	Are There Oil Eating Microbes on the Road?	Monte Vista High School	Patti Carothers	9	HM	
MB470T	Ryan	McNutt	Are There Oil Eating Microbes on the Road?	Monte Vista High School	Patti Carothers	9	HM	

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MH204	Jessica	Shuen	Investigation into Multiple Sclerosis: Critical Role of STAT-1 on Self Renewal Capacity and Differentiation of Neural Stem Cells	Monte Vista High School	Patti Carothers	12	1st	
MH205	Coral	Chou	The Effect of Gastric Juice on Probiotics	Monte Vista High School	Patti Carothers	9	1st	
MH208	Yuyang (John)	Mei	Tumor Suppressor Gene PTEN as a Chemosensitizer: Over Expression of RTEN in Breast Cancer Cells and Normal Cells.	Monte Vista High School	Patti Carothers	10	1st	
MH219	Farnoosh	Nik-Ahd	Role of Keratin Mutations as Susceptibility Genes for Liver Disease in Afro Americans	California High School	William Pence	11	1st & Sr. Div. Sweepstakes Winner	US Navy
MH206	Daniel	Yi	A Study of Long Term Generational Effects of Melatonin Supplements	Monte Vista High School	Patti Carothers	9	2nd	
MH207	Neil	Malani	Is Cetavlon a Mutagen?	Monte Vista High School	Patti Carothers	9	2nd	
MH210	Kevin	Chen	The Effects Of Creatine Monohydrate on Drosophila Melanogaster	Monte Vista High School	Patti Carothers	9	2nd	
MH220	Alexa	Danner	Is There a Relationship Between Hypertension and Being a Non-Secretor?	Granada High School	Frankie Tate	9	2nd	
MH408T	Eric	Bergquist	What are the Effects of Vitamins on Cancerous Cells?	Monte Vista High School	Patti Carothers	9	2nd	
MH408T	Pete	Horgan	What are the Effects of Vitamins on Cancerous Cells?	Monte Vista High School	Patti Carothers	9	2nd	
MH408T	Taylor	Smart	What are the Effects of Vitamins on Cancerous Cells?	Monte Vista High School	Patti Carothers	9	2nd	
MH413T	Russell	Reeve	Sag Now, Pay Later? The Effect of Sagging on Gait	San Ramon Valley High School	Robin Groch	9	2nd	
MH413T	Christian	Ulmar	Sag Now, Pay Later? The Effect of Sagging on Gait	San Ramon Valley High School	Robin Groch	9	2nd	
MH428T	Amanda	Calamoneri	Fountains for Youth: Bacteria in School Drinking Fountains	San Ramon Valley High School	Robin Groch	9	2nd	
MH428T	LeeAnn	Saw	Fountains for Youth: Bacteria in School Drinking Fountains	San Ramon Valley High School	Robin Groch	9	2nd	
MH480T	Erik	Anciaux	The Effect of Yogurt on Staphylococcus Epidermidis Bacteria	Monte Vista High School	Patti Carothers	9	2nd	
MH480T	David	Eliahu	The Effect of Yogurt on Staphylococcus Epidermidis Bacteria	Monte Vista High School	Patti Carothers	9	2nd	
MH480T	Eric	Sasse	The Effect of Yogurt on Staphylococcus Epidermidis Bacteria	Monte Vista High School	Patti Carothers	9	2nd	
MH202	Shivarni	Patel	The Effects Vitamin B Complex have on the Life Span of Yeast	Monte Vista High School	Patti Carothers	9	3rd	
MH209	Julienne	Reyes	A Study of Herb and Vitamins Effect on Mitotic Cell Cycle	Monte Vista High School	Patti Carothers	9	3rd	
MH211	Stephanie	Fitch	The Differences Between Regular Sugar and Splenda Sweetener	Granada High School	Frankie Tate	11	3rd	

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MH427T	Emily	Dane	The 10 Second Rule	Granada High School	Frankie Tate	12	3rd	
MH427T	Kyrie	Jessick	The 10 Second Rule	Granada High School	Frankie Tate	12	3rd	
MH438T	Irisa	Tam	A Study on the Effects of Computer Monitor Radiation as a Mutagen	Monte Vista High School	Patti Carothers	9	3rd	American Vacuum Society
MH438T	Lauren	Thruston	A Study on the Effects of Computer Monitor Radiation as a Mutagen	Monte Vista High School	Patti Carothers	9	3rd	American Vacuum Society
MH438T	Tim	Wang	A Study on the Effects of Computer Monitor Radiation as a Mutagen	Monte Vista High School	Patti Carothers	9	3rd	American Vacuum Society
MH490T	Sheena	Chaudhuri	The Effect of Microwaves on the characteristics of Polytene Chromosomes of Drosophila Melanogaster	Monte Vista High School	Patti Carothers	9	3rd	
MH490T	Michelle	Pang	The Effect of Microwaves on the characteristics of Polytene Chromosomes of Drosophila Melanogaster	Monte Vista High School	Patti Carothers	9	3rd	
PH429T	Sruti	Bharat	The Effect of Temperature and Humidity on the Energy Produced by Solor Cells	Monte Vista High School	Patti Carothers	10	HM	IEEE; American Vacuum Society
PH429T	Sumati	Hasani	The Effect of Temperature and Humidity on the Energy Produced by Solor Cells	Monte Vista High School	Patti Carothers	10	HM	IEEE; American Vacuum Society
PS101	Christopher	Hartwell	Maximizing Electric Generation	Christensen Middle School	Regina Brinker	7	1st	2nd Place - Society of Petroleum Engineers; IEEE
PS110	Kimberly	Freid	How Does Center of Gravity Affect Cranes?	Valley Christian School	Ken Walker	8	1st & Jr. Div. Sweepstakes Winner	1st Place - Society of Petroleum Engineers; American Vacuum Society; DCYSC
PS112	Jennifer	Jahncke	And That's the Way the Ball Bounces	Pine Valley Middle School	Mary Beth Hodge	8	1st	DCYSC
PS114	Holly	Beitch	The Pendulum's Period	Iron Horse Middle School	Maureen Allison	8	1st	
PS116	Harshil	Goel	The Power Source of the Future Wind Turbines	Iron Horse Middle School	Shawn Armstrong	8	1st	2nd Place - Society of Petroleum Engineers
PS131	Lindsay	Iversen	Are You Hungry?	Pine Valley Middle School	Mary Beth Hodge	8	1st	DCYSC
PS136	Leon	Tejwani	Got Bounce?	Pine Valley Middle School	Mary Beth Hodge	8	1st	
PS143	Lakshmi	Vijanderan	Can You Feel the Heat in Your Feet?	Pine Valley Middle School	Mary Beth Hodge	8	1st & Jr. Div. Sweepstakes Winner	American Vacuum Society, DCYSC
PS156	Glenn	Carros	Bigger Battery = Faster Speed?	Pine Valley Middle School	Mary Beth Hodge	8	1st	
PS180	Anusha	Gangapuram	Water Power	Pine Valley Middle School	Mary Beth Hodge	8	1st	US Navy

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PS182	Lucas	Ho	Solar Power - How do angles affect the output of solar cell?	Iron Horse Middle School	Shawn Armstrong	8	1st	US Air Force Science & Technology Award; 2nd Place - Society of Petroleum Engineers; US Navy; American Vacuum Society
PS189	David	Peters	Electroplating	Pine Valley Middle School	Mary Beth Hodge	8	1st	
PS323T	Priya	Sharma	Journey to Terra Firma	Pine Valley Middle School	Mary Beth Hodge	8	1st	
PS323T	Damini	Tandon	Journey to Terra Firma	Pine Valley Middle School	Mary Beth Hodge	8	1st	
PS123	Katelyn	McMenamin	Lead in Lunch Boxes?	Our Savior Lutheran School	Lauren Bortnem	7	2nd	
PS129	Ashley	Weaver	Don't Whine Over Red Wine	St. Philips Lutheran School	Patty Wipfli	8	2nd	
PS135	Audrey	Chong	Neutralization	Pine Valley Middle School	Mary Beth Hodge	8	2nd	
PS137	Gregory	Monson	What Variables Influence the Magnetic Flux Density of an Electrmagnet?	Sunol Glen School	Lindsey Sawicki	8	2nd	
PS141	Lucas	Tejwani	Go With the Flow!	Pine Valley Middle School	Mary Beth Hodge	8	2nd	
PS149	Andy	Bilich	Heat Transfer	Pine Valley Middle School	Mary Beth Hodge	8	2nd	
PS163	Katrina	Kalantar	Measuring the Index of Refraction of Sugar Water	Mendenhall Middle School	Mrs. Sohota	8	2nd	US Navy; IEEE
PS167	Jeff	Normand	Baseball Bats	Pine Valley Middle School	Mary Beth Hodge	8	2nd	
PS171	Niharika	Bhatnagar	Effect of mass and length on time period of pendulum	Iron Horse Middle School	Shawn Armstrong	8	2nd	
PS175	Tianqi	Sun	Turbulent Towers	Pine Valley Middle School	Mary Beth Hodge	8	2nd	
PS176	Katie	Stake	Are You Too Dense?	Pine Valley Middle School	Mary Beth Hodge	8	2nd	
PS179	Kelly	Madden	Coffee Break	Christenson Middle School	Regina Brinker	7	2nd	
PS186	Chris	Hildreth	Does Mass Matter?	Pine Valley Middle School	Mary Beth Hodge	8	2nd	
PS190	Tarun	Battu	Fabric and Ultra Violet Protection	Iron Horse Middle School	Shawn Armstrong	8	2nd	
PS124	Matt	Brown	Packing Material Efficiency	St. Philips Lutheran School	Patty Wipfli	7	3rd	
PS125	Sophie	Cheng	New Ear Plugs	Iron Horse Middle School	Shawn Armstrong	8	3rd	
PS126	Bridgette	Larsen	Oily Animals	St. Raymond School	Jeanine Gillengerten	7	3rd	
PS138	Yin Yee	Ho	Safe Surfaces	Charlotte Wood Middle School	Tavie Knapp	8	3rd	
PS139	Ashley	Jensen	How High Will It Rise?	Pine Valley Middle School	Mary Beth Hodge	8	3rd	

2006 Tri-Valley Science and Engineering Fair Award Winners

Project Number	First Name	Last Name	Project Title	School	Teacher	Grade	Place Award Received	Special Awards Received
PS140	Sebastian	Silva	Warm Colors	Iron Horse Middle School	Shawn Armstrong	8	3rd	
PS142	Wesley	Gong	Transforming an Electrical Current	Our Savior Lutheran School	Lauren Bortnem	8	3rd	
PS144	Jack	Bailey	Adhesives	Pine Valley Middle School	Mary Beth Hodge	8	3rd	
PS152	Chloe	Uyehara	Lift and Airfoils	Pine Valley Middle School	Mary Beth Hodge	8	3rd	
PS160	Lawrence	Lee	Is it Safer to Swim in Sprite or Dr. Pepper?	Pine Valley Middle School	Mary Beth Hodge	8	3rd	
PS161	Janelle	Oto	Is there a Brighter Difference?	St. Raymond School	Jeanine Gillengerten	8	3rd	
PS164	Trent	Deakers	Extreme Electrodes	Pine Valley Middle School	Mary Beth Hodge	8	3rd	
PS173	Marc	Carlson	May the Buoyant Force Be With You.	Pine Valley Middle School	Mary Beth Hodge	8	3rd	
PS177	Blaire	Wyatt	Rust or Bust	St. Raymond School	Jeanine Gillengerten	8	3rd	
PS184	Lauren	Slaughter	Fiery Fabrics	Pine Valley Middle School	Mary Beth Hodge	8	3rd	
PS104	McKenzie	Llano	Exposure	St. Philips Lutheran School	Patty Wipfli	8	HM	
PS113	Amanda	Van Camp	Barbie Sinks and Duckie Floats	Pine Valley Middle School	Brook Perkins	8	HM	
PS117	Sveta	Mohan	What is the best way to keep muffins from sticking?	Iron Horse Middle School	Maureen Allison	8	HM	
PS118	Andy	Bru	Digital Picture Clarity	St. Philips Lutheran School	Patty Wipfli	8	HM	
PS121	Brian	Walker	Got Pressure?	Pine Valley Middle School	Mary Beth Hodge	8	HM	
PS122	Michelle	Ong	Soak It Up	Pine Valley Middle School	Jason Miller	8	HM	
PS150	Nicole	da Silva	Which Battery Lasts Longer?	Christensen Middle School	Regina Brinker	7	HM	
PS155	Lottie	Pay	Is Bigger Really Best?	Pine Valley Middle School	Mary Beth Hodge	8	HM	
PS157	Sean	Tolan	I've Got That Sinking Feeling	Pine Valley Middle School	Mary Beth Hodge	8	HM	
PS159	Matthew	Yount	Does the Volume of the iPod Affect the Battery Life	St. Raymond School	Jeanine Gillengerten	7	HM	
PS162	Joseph	Moore	Great Cloth of Fire	Pine Valley Middle School	Mary Beth Hodge	8	HM	
PS168	Kaavya	Adam	Deck Building for Dummies	Iron Horse Middle School	Maureen Allison	8	HM	
PS169	Colin	Frost	Feel the Vibrations	St. Raymond School	Jeanine Gillengerten	8	HM	
PS170	Sora	Ghim	Let's Race	Pine Valley Middle School	Mary Beth Hodge	8	HM	
PS181	Renee	Yun	Carbonation in a Soda	Iron Horse Middle School	Maureen Allison	8	HM	

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PS183	Josh	Laursen	What Hits More Baseballs? Big Barrel or Small Barrel?	Christensen Middle School	Ragina Brinker	7	HM	
PS188	Kelvn	Lee	Watery Weights	Pine Valley Middle School	Mary Beth Hodge	8	HM	
PS306T	Tanner	Clark	The Declination Factor	Our Savior Lutheran School	Lauren Bortnem	7	HM	
PS306T	Garrett	Steward	The Declination Factor	Our Savior Lutheran School	Lauren Bortnem	7	HM	
PS308T	Elisabeth	Beasley	Let There Be Light	St. Philips Lutheran School	Patty Wipfli	8	HM	
PS308T	Sarah	Souza	Let There Be Light	St. Philips Lutheran School	Patty Wipfli	8	HM	
PS320T	Derek	Dell'Acqua	What's Burnin'?	Our Savior Lutheran School	Lauren Bortnem	7	HM	
PS320T	Mitchell	Hartman	What's Burnin'?	Our Savior Lutheran School	Lauren Bortnem	7	HM	
SS203	Corwin	Eder	Black Hole Simulation in C++	Granada High School	David Foster	11	1st	American Vacuum Society; Intel Excellence in Computer Science; Yale Science & Engineering Assoc., Inc.
ZG203	Jeffery	Chen	Alternative Termite Prevention Methods	Monte Vista High School	Patti Carothers	9	1st	NCB-AALAS 3rd Place
ZG209	Lauren	Kubiak	Shoo Fly, Don't Mutate Me	Granada High School	Frankie Tate	12	1st	NCB-AALAS 1st Place
ZG205	Justin	Culbertson	A Study of Ultrasonic Transmission as an Ant Pest Deterrent	Monte Vista High School	Patti Carothers	9	2nd	
ZG208	Julia	Percy	How Effective is Oak Toxin for Killing Mosquito Larvae?	Monte Vista High School	Patti Carothers	9	2nd	
ZG210	Joseph	Christianson	The Effects of Different Milkweed Plants on Monarch Development	San Ramon Valley High School	Robin Groch	9	2nd	NCB-AALAS 2nd Place
ZG201	Alexander	Zou	Can Changing Soil pH Levels Keep Snails Away from Baby Carrots Plants?	Monte Vista High School	Patti Carothers	9	3rd	